Human CD32a (167H) Protein (In Vivo Grade, Ultra-Low Endotoxin)

Product Code: ICH3011

More Information

Species Reactivity: Human

Target: Human CD32a (167H) Protein

Host: Human embryonic kidney (HEK) 293 cells.

product name H2: Human CD32a (167H) Protein (In Vivo Grade, Ultra-Low Endotoxin)

UniProt: P12318

Shipping Conditions: Ambient

background: CD32a (FcgammaRIIa) is a low-affinity activating IgG receptor whose 167H (histidine) variant influences immune-complex binding and effector signaling. This product is a recombinant human CD32a (167H) protein, not an antibody, expressed in HEK293 cells and validated for SPR, BLI, and ELISA binding studies. It is manufactured to in vivo-grade, ultra-low-endotoxin standards and supplied in scalable milligram to gram quantities for bulk and high-throughput laboratories. Researchers use the 167H allelic variant as a defined binding partner in Fc-receptor interaction assays, kinetic characterization, and assay development, with the protein provided strictly for research use only.

Other names: Human Fc gamma RIIa, CD32A, FCGR2A, FCGRIIA, FCR2A, FCRIIA, IGFR2A, IGFRIIA

Specificity: The sequence of the extracellular domain of human CD32a (Ala 36-Ile 218) was fused with a C-terminal tag consisting of the AVI tag, TEV protease recognition sequence and a 10-His tag.

Formulation: Lyophilized from sterile PBS, pH 7.4. No preservatives or cryoprotectants have been added. To obtain a final concentration of 1 mg/ml reconstitute 0.25 mg vials with 0.25 ml water and 1.0 mg vials with 1.0 ml water.

Purity: >95% monomer purity as determined by SDS-PAGE and SEC-HPLC.

Endotoxin: 1.0 EU per mg as determined by the LAL method.

Storage: Lyophilized proteins are stable at ambient temperature for at least 2 weeks. If the protein is not to be used immediately then the protein should be stored in lyophilized form at -20 °C for up 12 months. Once the protein has been reconstituted we recommen

Applications: SPR, BLI, ELISA

Use: Products are for research use only. Not for use in diagnostic or therapeutic procedures.